

U561

U561 is an advanced para-aramid unidirectional material for hard armor ballistic applications. U561 consists of two plies of unidirectional product, cross-plyed in 0°/90° configuration. Each layer is individually constructed within a resin matrix using Barrday's proprietary UD technology to align the fibers in a parallel direction.

PRODUCT DATA

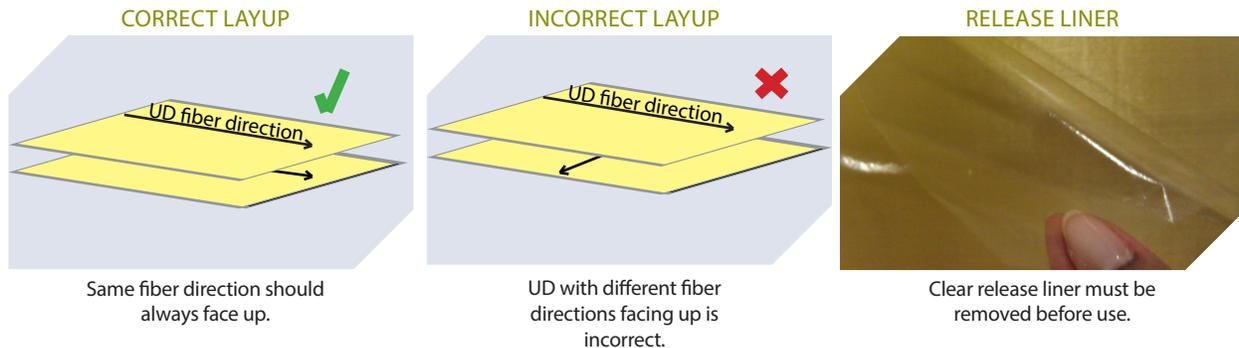
Characteristic	Lower Limit	Target	Upper Limit
Width	63.0 in 160.0 cm	63.2 in 160.5 cm	63.4 in 161.0 cm
Nominal Weight	7.67 oz/yd ² 260.0 g/m ²	7.96 oz/yd ² 270.0 g/m ²	8.26 oz/yd ² 280.0 g/m ²

BALLISTIC PERFORMANCE

Test	Layers	Nominal Areal Density (kg/m ²)	Nominal Areal Density (lb/ft ²)	Typical V50 (m/s)	Typical V50 (ft/s)
Barrday 0.30 Cal FSP V50 at 4.0 psf	76	20.5	4.2	890	2920
17 grain V50 at 2.0 psf	38	10.3	2.1	750	2460

The ballistic data listed here is representative of typical results based on limited data and may be subject to revision. Testing may also differ between testing laboratories.

Material performance is dependent on product orientation. Always ensure the fiber orientation is correct.



Aramid Disclaimer:

Prolonged sunlight and UV exposure degrades aramid fibers. Aramid fibers will change color with exposure to sunlight or other UV sources.

Do not store in direct light. Do not store near open flame, heat or strong oxidants. Aramid yarn absorbs up to 8% moisture by weight. Caution should be taken if aramid fibers are used at temperature above 149°C for extended periods of time.

Taken from our Terms & Conditions:

Seller Warranty: Seller warrants that the goods delivered to Buyer in connection with the Order Acknowledgment meet Seller's standard specifications for the goods in effect at the date of delivery. This Warranty is valid for a period of 60 days from the date of shipment. This warranty is void and of no effect if the goods or any articles made from the goods are not stored or handled in accordance with the product specifications and/or the Certificate of Analysis.

Revision Control:

Users of this document will not be notified of revisions.

